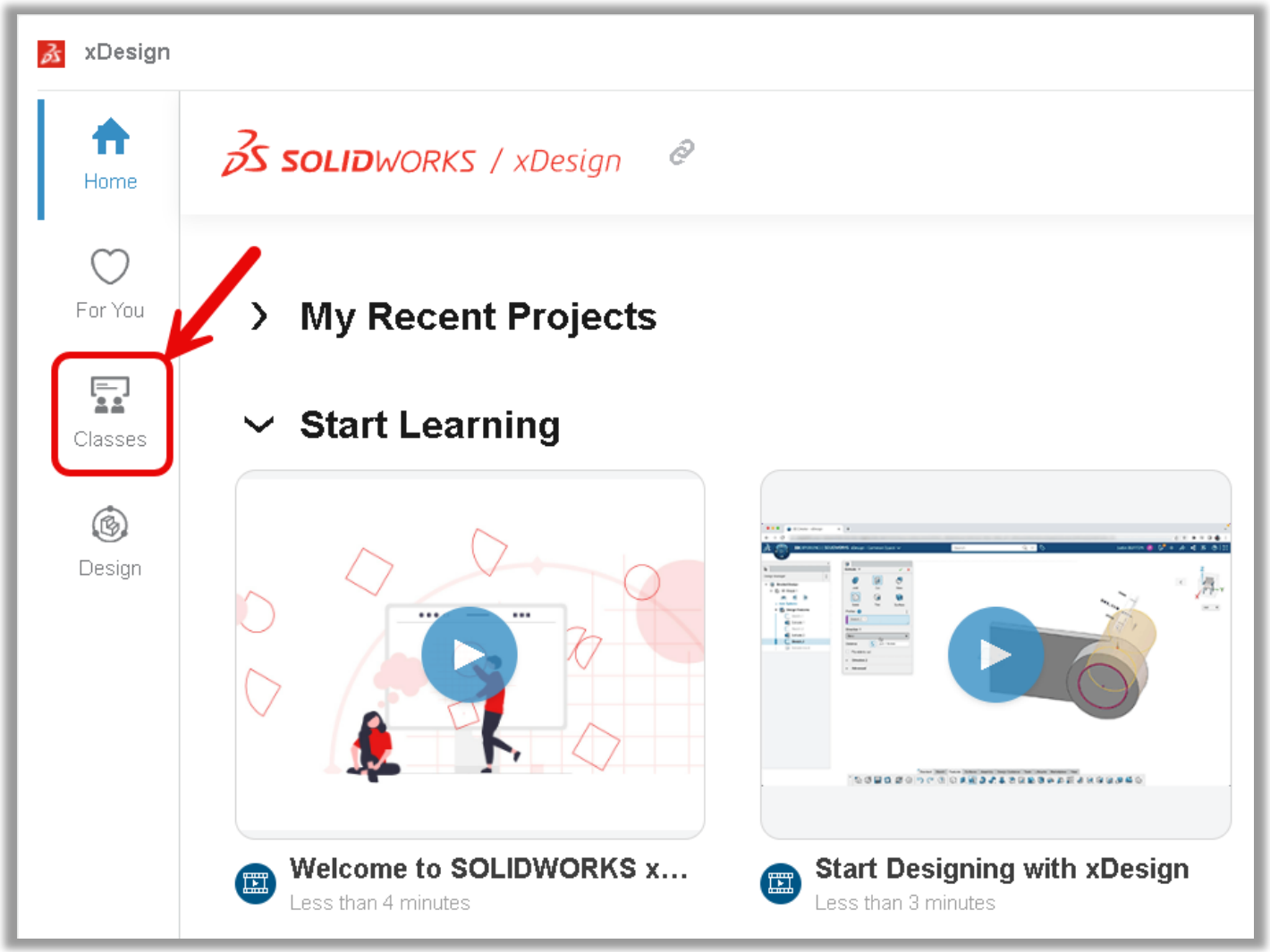
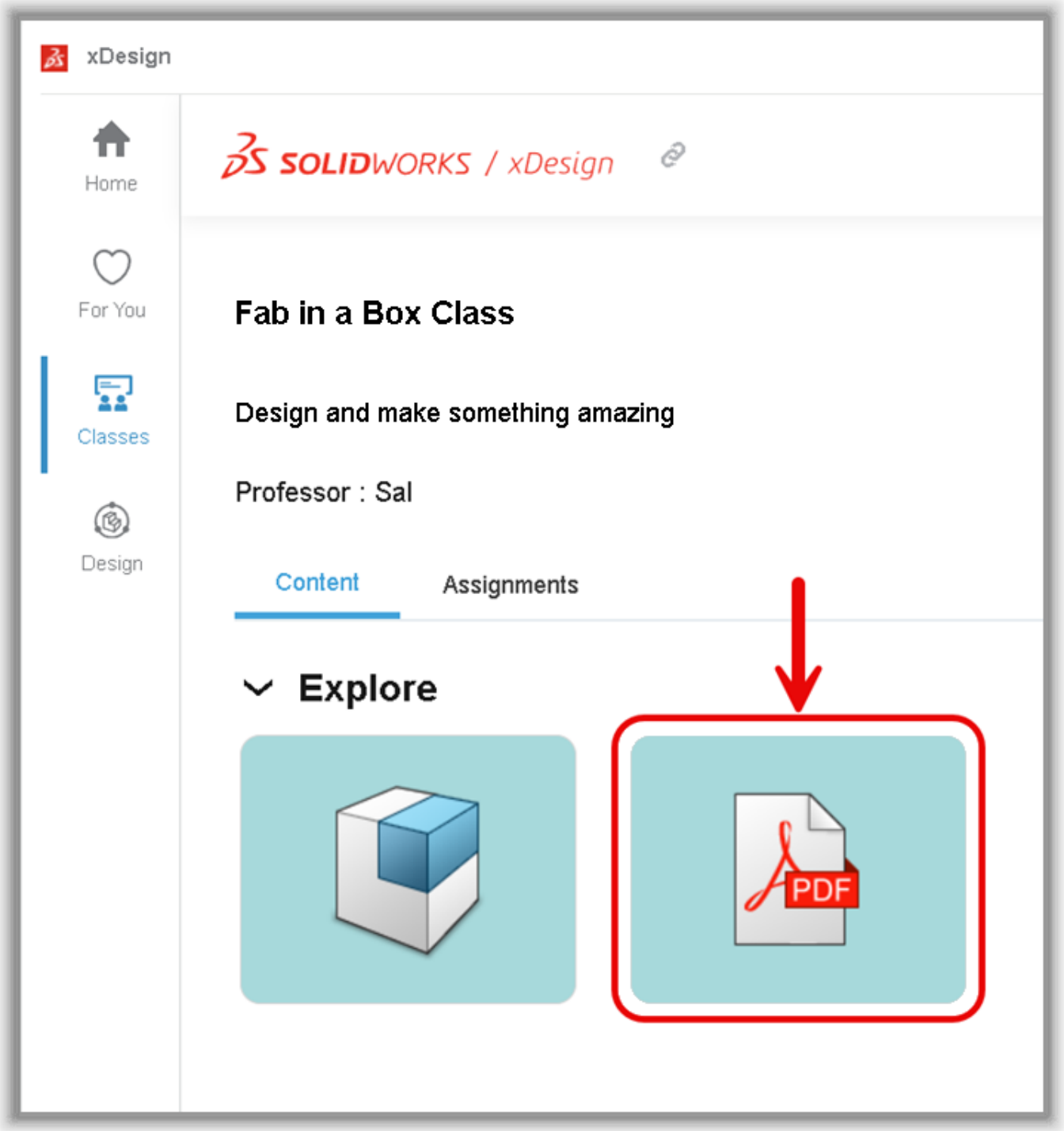
Design and fabricate your own custom pop-up book.

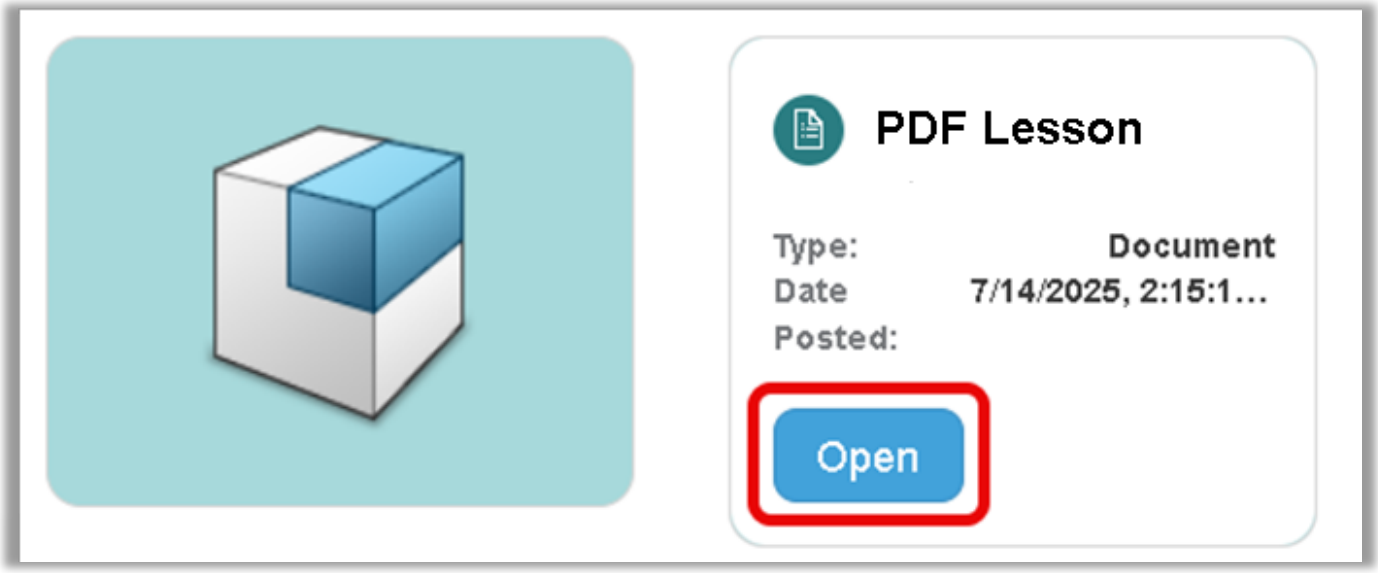
1. Click the **Classes** tab



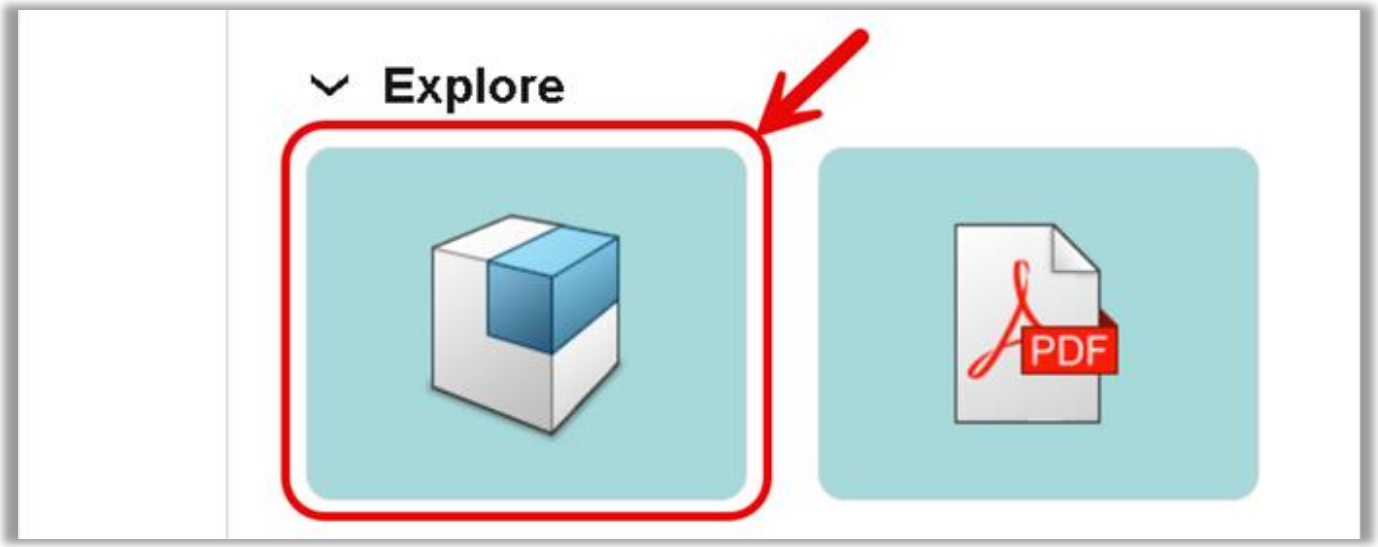
2. Hover over the PDF tile



3. Click **OPEN**



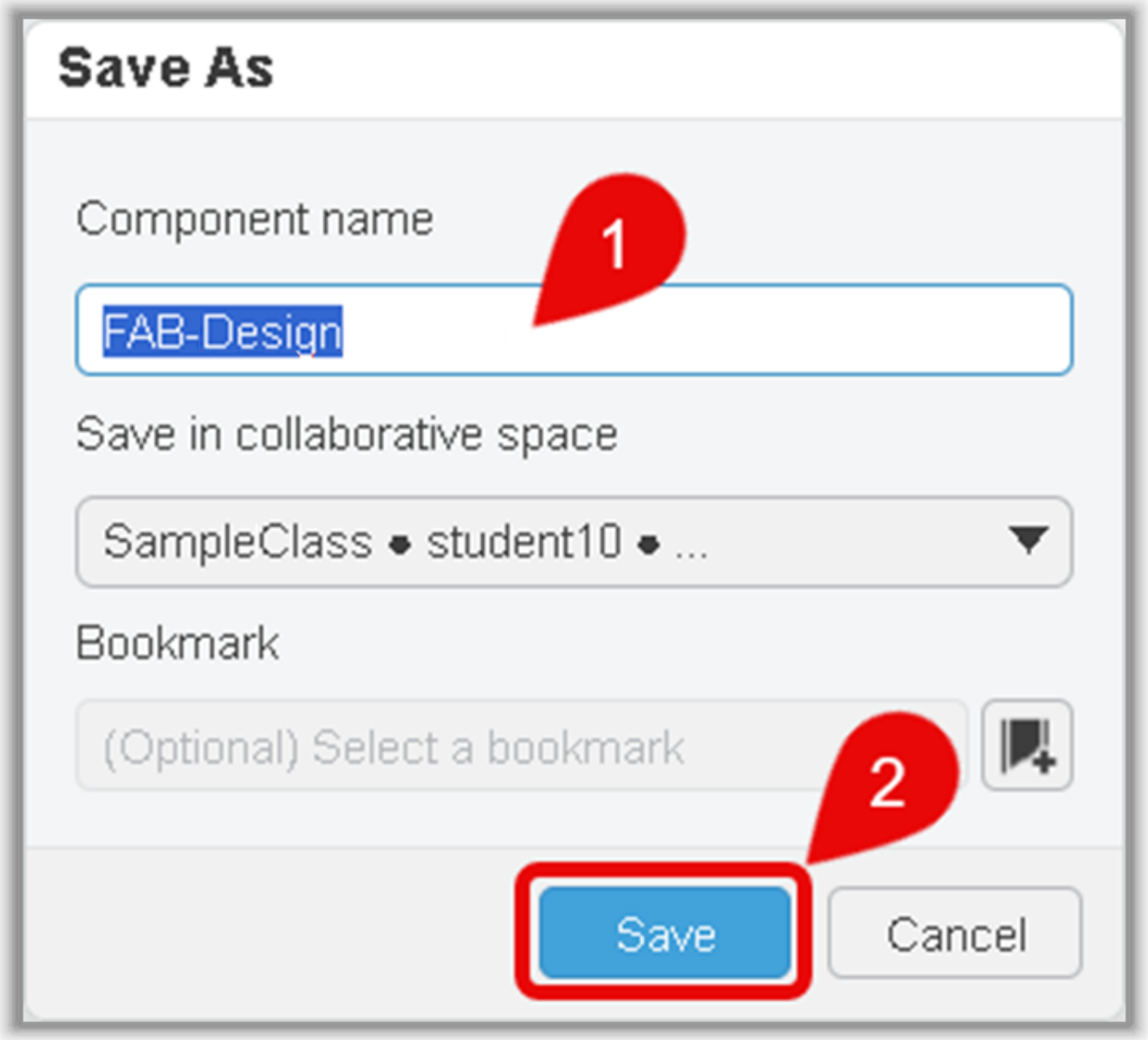
4. Hover over the "**Paper Pop-ups - Complex Engineering for Pop-Up Books"** tile



5. Click **OPEN**

6. Click **Save As** on the Standard tab of the Action Bar

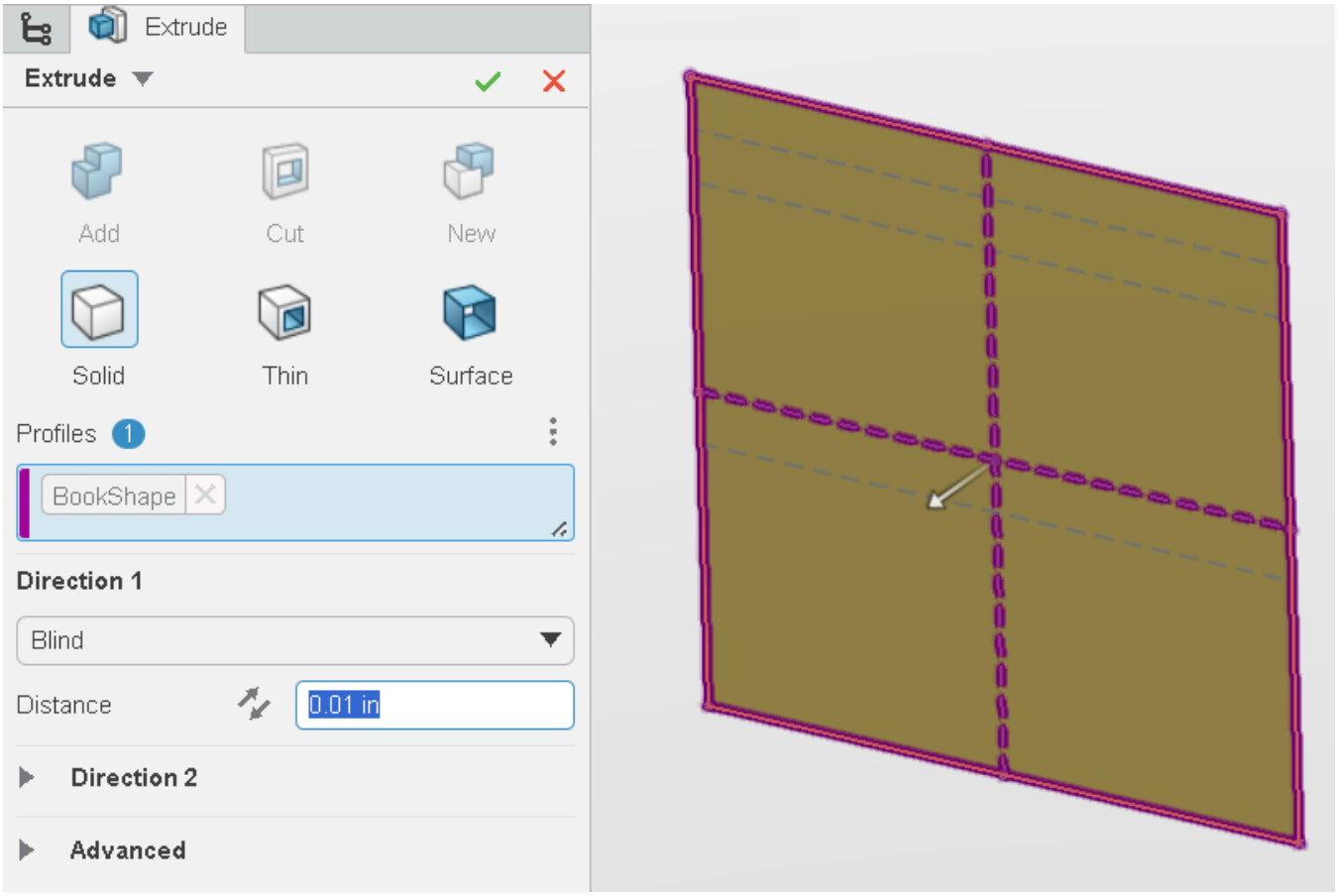
7. [1] Type a name for your design, then [2] click **Save**



A 6” by 6” “BookShape” sketch has been created to help you size your overall book. You may change these dimensions if you’d like.

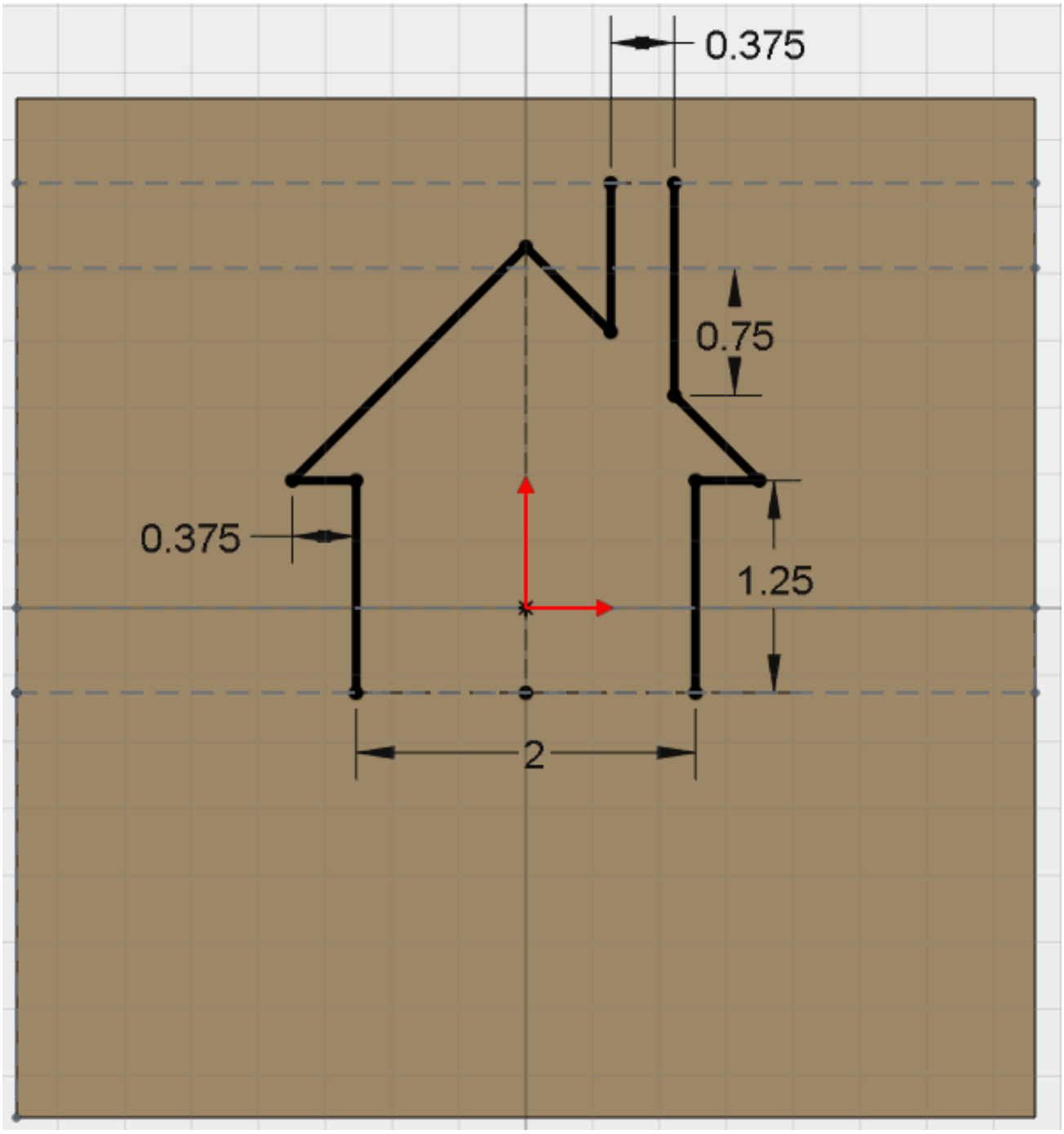
The “FoldLayout” sketch shows an example of where two sets of fold lines might appear in your book. The location of these can also be changed.

8. Extrude the “BookShape” sketch to create the first page of your book.

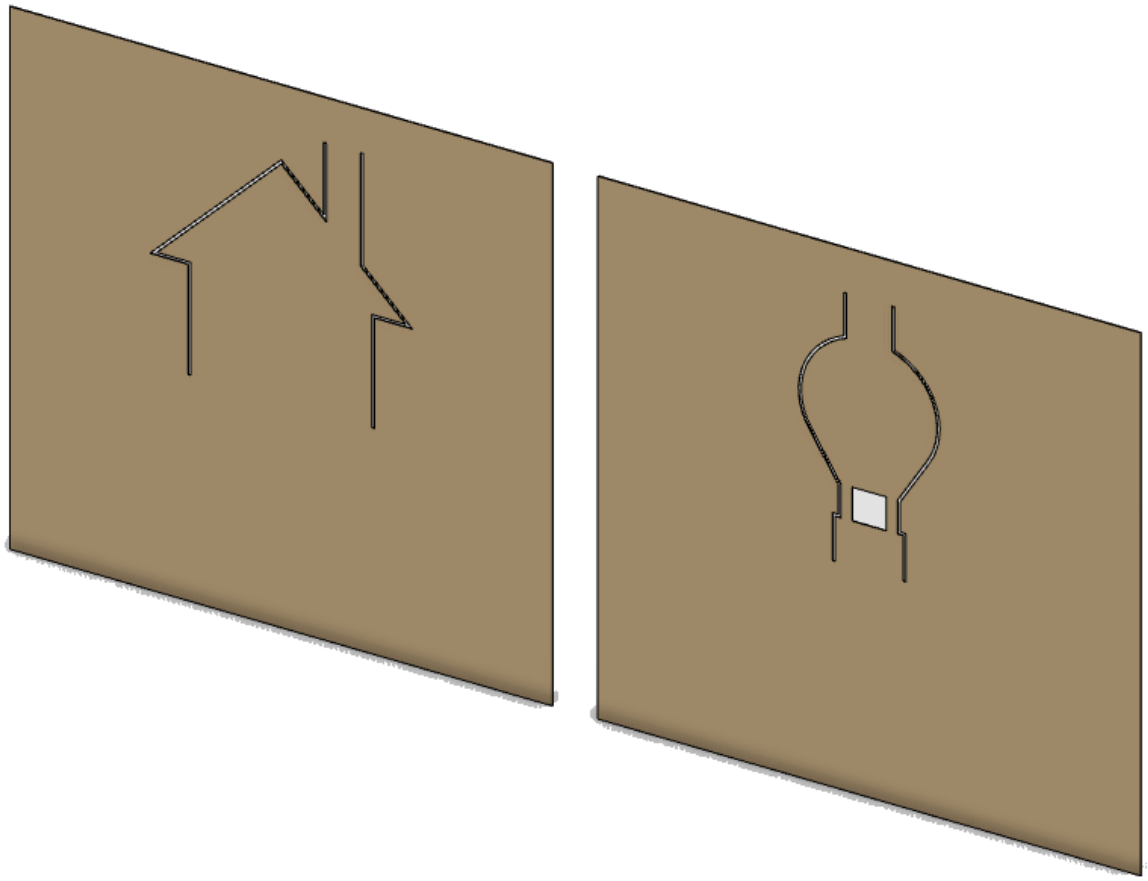


9. Create a new sketch on the large flat face of your model. Sketch the geometry you'll use to cut out the pieces of your pop-up page.

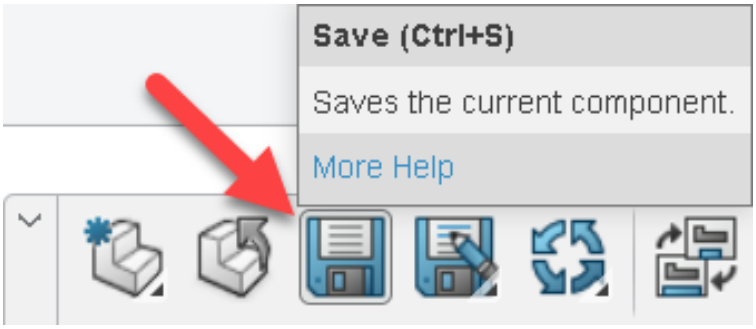
Sample pop-up page



10. Repeat the process of extruding a basic page and then cutting shapes into it for as many pages as you want in your pop-up book.Model each new page off to the side of the previous one.

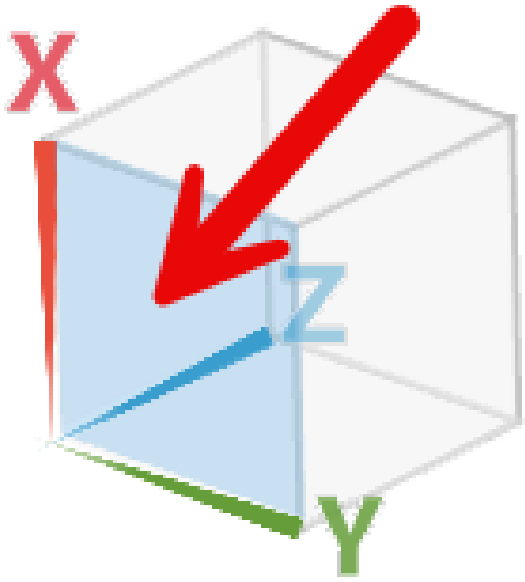


11. When you're done, click "Save" on the Action Bar to save your pop-up book pages



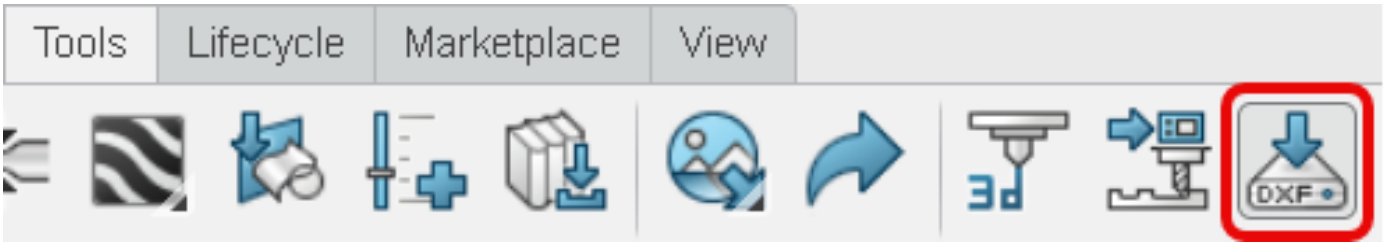
FABRICATE YOUR POP-UP BOOK PAGES

1. Click the “XY” face of the view cube to look straight at your pop-up book pages

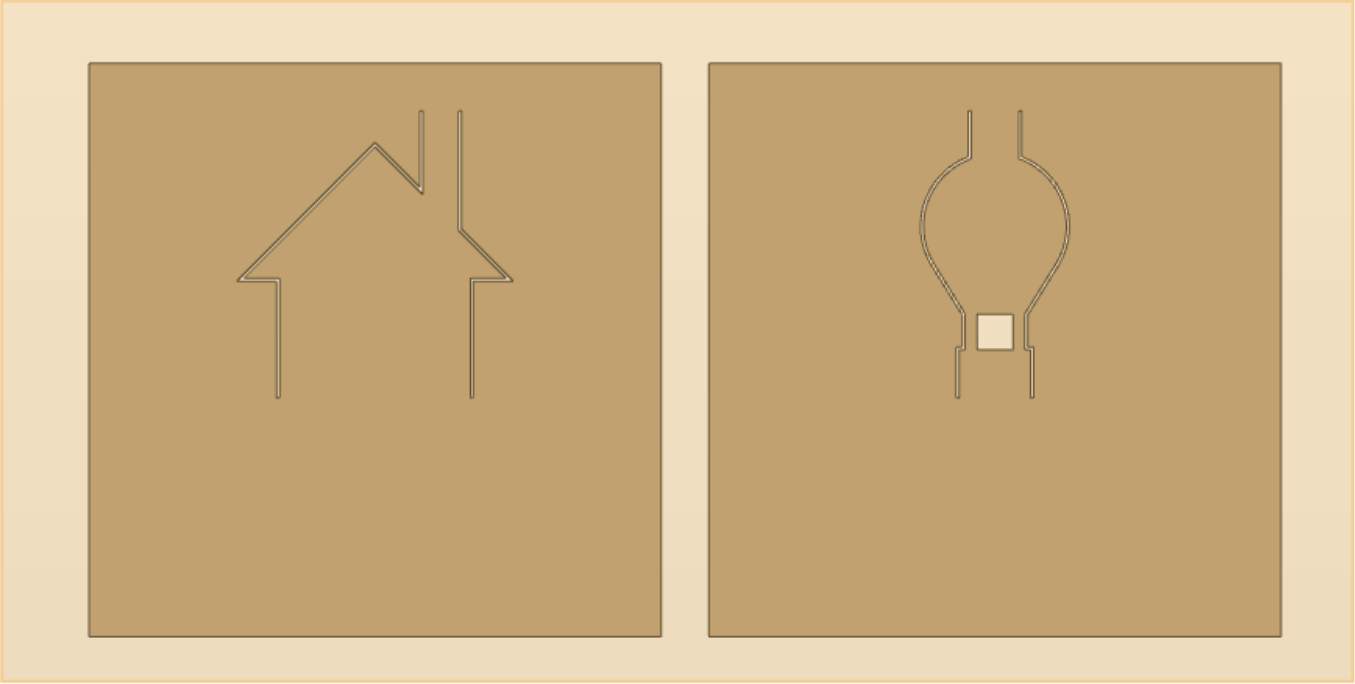


2. Press “F” on the keyboard to fit the entire model to the screen

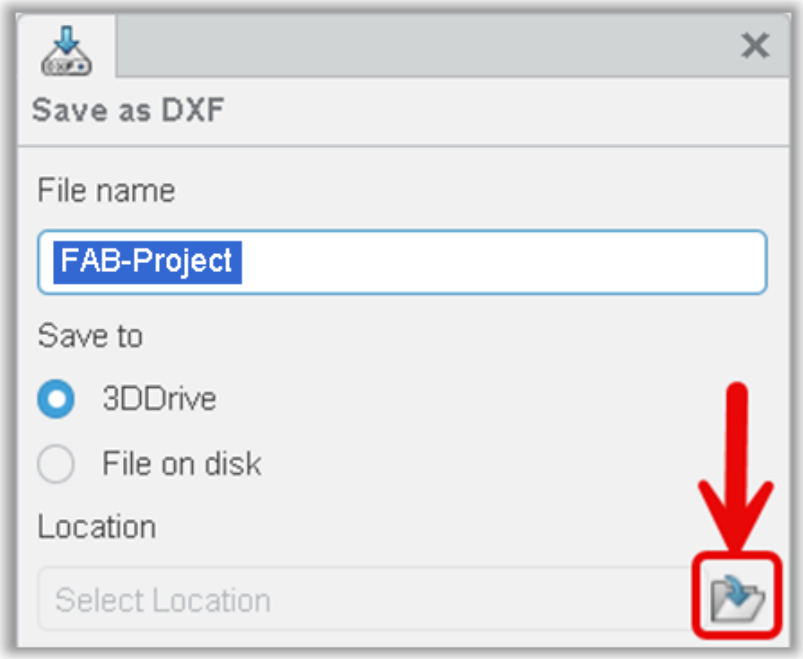
3. Click the **DXF** command on the Tools tab of the Action Bar



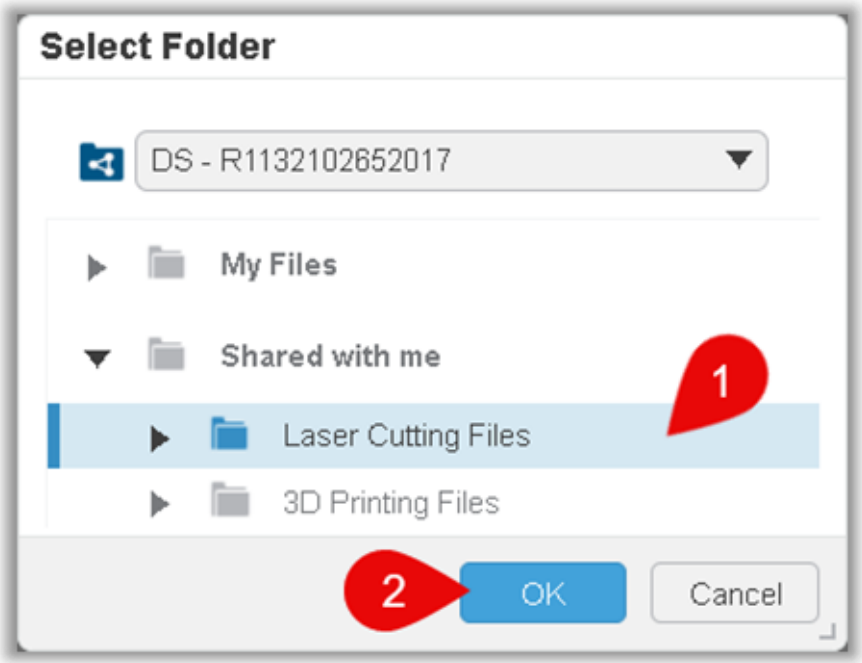
4. Drag a box around the entire model to select all the flat faces of your pop-up book pages



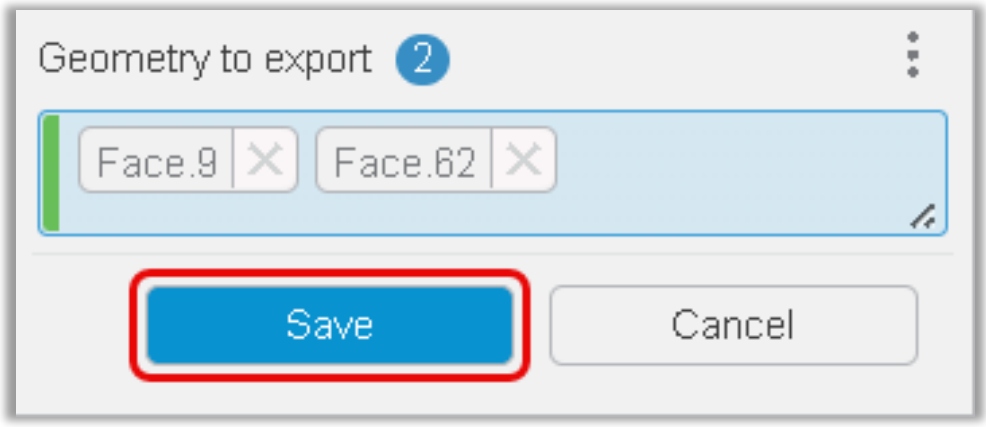
5. Click the Location folder button



6. [1] Select the folder your instructor told you to use to save your files then [2] click **OK**



7. Click the **Save** button in the Save as DXF dialog



Congratulations!

You're ready to laser cut your pop-up book!

See your teacher for further instruction!